JVC

ENGLISH

WIDE LCD PANEL TV INSTRUCTIONS



This illustration shows LT-32EX19.



The illustrations of LT-32EX19 is used in this instruction manual for explanation purpose. Your TV may not look exactly the same as illustrated.

LT - 32EX19
LT - 32BX19

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE

Contents

PREPARATION

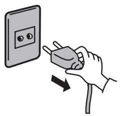
FUNCTIONS

REFERENCE

GGT0303-001A-H

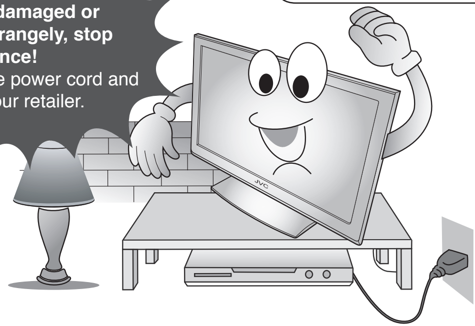
Thank you for buying this JVC LCD panel television.
To make sure you understand how to use your new TV, please read this manual thoroughly before you begin.

- **Follow this manual regarding setup!**
  - Connect only to a 110-240 V, 50/60Hz AC outlet.
- **Make enough room for inserting and removing the power plug!**
- **Place the TV as close to the outlet as possible!**
  - The main power supply for this TV is controlled by inserting or removing the power plug.
- **Never cut or damage the power cord!**
  - If the AC plug is not the right shape, or the power cord is not long enough, use an appropriate plug adapter or extension cable. (Consult your retailer.)
- **Unplug the power cord when going out!**
  - The power buttons on the remote control and the TV unit cannot completely turn off the TV. (Make appropriate arrangements for bedridden people.)



- **Do not allow the TV to fall!**
  - Do not rest your elbows on, or allow children to hang from the TV.
  - There is a risk that the TV will fall and cause injuries.
  - Make use of the hole on the back of the stand to prevent the TV from falling easily. (P. 4)

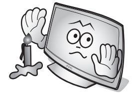
If the TV is damaged or behaving strangely, stop using it at once!
➡ Unplug the power cord and contact your retailer.

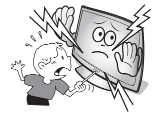


If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:

- Using cabinets or stands recommended by the manufacturer of the television.
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

- **Never place anything on the TV!**
  - Placing liquid, naked flames, cloths, paper, etc. on the TV may cause a fire.
- **Never expose to rain or moisture!**
  - To prevent fire or electric shock, never allow liquids to enter the unit.
- **Never insert objects into the cabinet openings!**
  - It may cause a fatal electric shock.
  - Take care when children are near.





- **Hold the TV so as not to scratch the screen!**
  - Do not touch the screen when carrying the TV.
- **Do not carry the TV on your own!**
  - In order to prevent accidents, ensure that the TV is carried by two or more people.
- **When attaching the TV to the wall, use the optional JVC wall mounting unit!**
  - Consult a qualified technician.
  - See the included manual on mounting procedures.
  - JVC assumes no responsibility for damage due to improper mounting.
- **Never listen to headphones at high volume!**
  - It may damage your hearing.

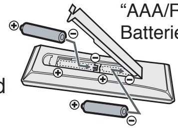
- **Never dismantle the rear panel!**
  - It may cause an electric shock.
- **Never obstruct the ventilation holes!**
  - It may cause overheating or a fire.
- **Handle LCD panel with care!**
  - Use a soft, dry cloth when cleaning.

Never try repair the TV yourself!
➡ If the problem cannot be solved in "Troubleshooting" (P. 13), unplug the power cord and contact your retailer.

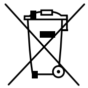
• For more details on installation, usage and safety ➡ Consult your retailer.

Remote control buttons and functions

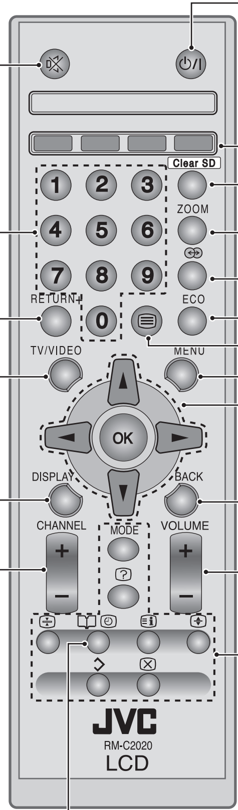
- Insert the batteries
  Use two "AAA/R03" dry cell batteries. Insert the batteries from the ⊖ end, making sure the ⊖ and ⊕ polarities are correct.



WARNING:
Batteries shall not be exposed to excessive heat such as direct sunshine, fire or the like.

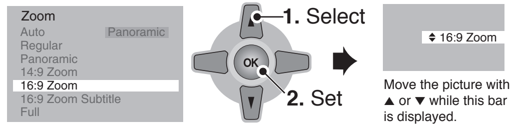


If this symbol is shown, it is only valid in the European Union.



- Turn the TV on from standby
- Colour button
- Turn on "Clear SD"
- Turn the volume off/on
- Change channel/page
- Turn on "Sound Meister"
- Turn on "Eco Mode"
- To Teletext (P. 12)
- Display on-screen menu
- Operate the menu
- To previous screen
- Adjust the volume, Turn off muting
- View the Teletext (P. 12)
- Select TV or Video input
- Channel information

Change the aspect ratio (P. 8)



Move the picture with ▲ or ▼ while this bar is displayed.

RETURN PLUS function
Return to the frequently viewed channel.

Choose the channel you want to programme → RETURN + Press and hold → Return Plus Programmed!

To cancel → RETURN + Press and hold → Return Plus Canceled!

RETURN function
If you have not set or have cancelled the RETURN PLUS channel, this will return to the previously viewed channel.

Favourite channel setting. (P. 11)

1. Register the favourite channel
   Press and hold → Set 1-4 ? → Press number button (1-4 only)
   Programmed! will be displayed.
2. Recall the favourite channel
   Press → Favourite 1-4 ? → Press number button (1-4 only)

- If the favourite channel has not been registed then "No Memory" will be displayed.

Channel selection
Select the desired channel number.

For Hyper Scan

CHANNEL + – Press and hold

PR changes without changing the picture. Once you stop pressing CHANNEL+ or CHANNEL - button, picture will change to the desired PR.

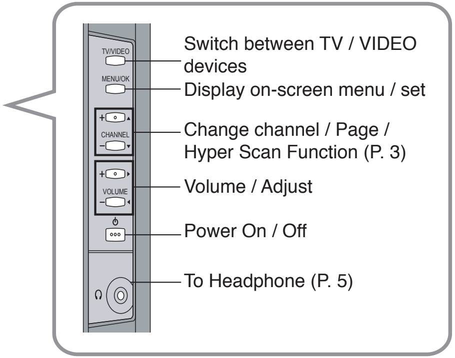
Set up and connections

LT-32EX19



Power lamp
ON : Lit (Blue)
OFF : Unlit
Power lamp lights while the TV is on.
• "Power Lamp" (P. 11)

Remote control sensor



Care when setting

■ **Power requirements**

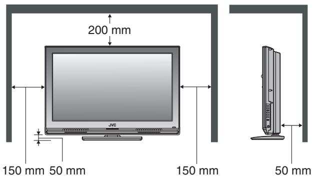
- Connect the power cord only to a 110-240V, 50/60Hz AC outlet.

■ **When attaching the TV to the wall, use the optional JVC wall mounting unit**

- Consult a qualified technician.
- JVC assumes no responsibility for damage due to improper mounting.
- 200 mm x 200 mm mount which conforms to VESA standards.

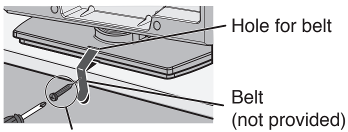
■ **Installation requirements**

- To avoid overheating, ensure the unit has ample room.

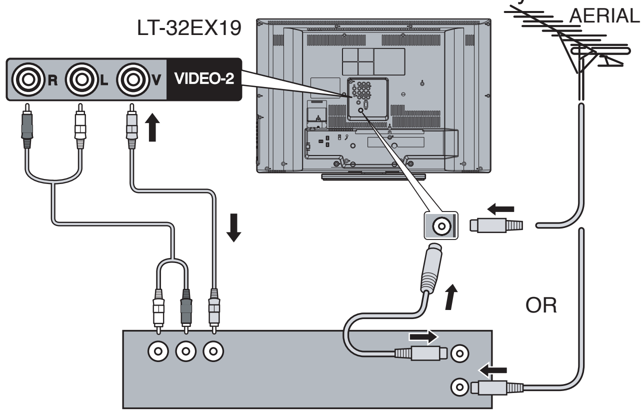


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- To prevent the TV from falling thread the belt through the hole on the back of the stand and secure it to the TV rack.



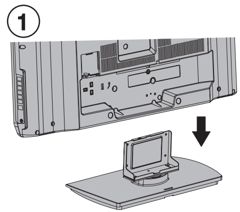
Connect an aerial and VCR / DVD Player

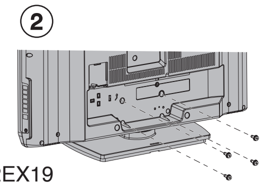


- After all the connections have been made, insert the plug into an AC outlet.

Stand Assembly

- Insert the stand into the panel at the position where the screw holes are, and fasten the screws.



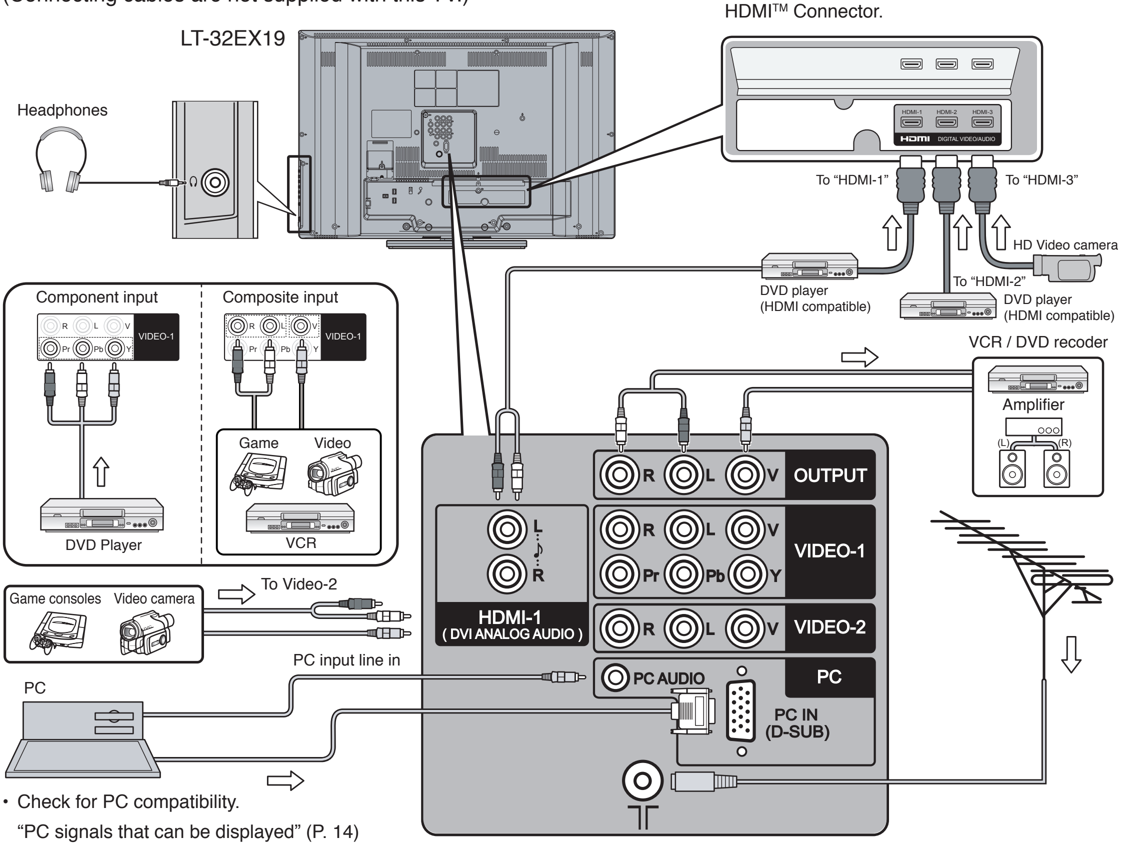


LT-32EX19

- If you have any problem with assembly, please contact a retailer or a dealership.

Note: 4 screws included.

You can connect many different devices to the rear panel of the TV.
Please read the user manuals of each device before setup.
(Connecting cables are not supplied with this TV.)



- Check for PC compatibility.
  "PC signals that can be displayed" (P. 14)

VIDEO-1 Watching videos

Output	Input
	• Composite signal / Component signal (P. 16) • Sound L / R

- Use Component signal "Video - 1 Setting" (P. 12)

VIDEO-2 Watching videos

Output	Input
	• Composite signal • Sound L / R

HDMI-1 / HDMI-2 / HDMI-3 Connecting HDMI devices

Output	Input
	• HDMI signal (P. 16)

- "HDMI Setting" (P. 12)
- HDMI-2 and HDMI-3 inputs do not support analogue sound.
- Connect a "DVI" device to "HDMI-1" (P.14)
- Please use a High Speed HDMI™ Cable. High Speed HDMI™ Cables are tested to carry an HD signal up to 1080p and higher.

OUT

Video and sound signal of a TV channel you are viewing outputs from this terminal

Output
• Composite signal • Sound L / R

Initial Settings

1 Turn on the TV

JVC

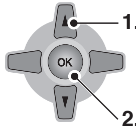
JVC logo appears



- Show only when powering on for the first time.
- The power on the unit can also be used.

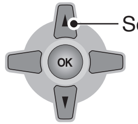
2 Select a language

> Language
English
عربي
Français
Русский
中 文
ไทย
Tiếng Việt
Українська
Castellano
Melayu



3 Select the Teletext language group

> Teletext Language
Group-1
Group-2
Group-3
Group-4
Group-5
Group-6



- See "Language group for Teletext" (P. 14)

4 Automatically register channels (Auto Program)



> Auto Program
CH 09
12%

5 Check what was registered

> Edit

PR	ID	CH/CC
01		CH 02
02		CH 03
03		CH 07
04		CH 76
05		CH 12
06		CH 09
07		CH 05
08		CH 02
09		CH 15
10		CH 28



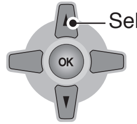
- If you want to edit channel, read the next column.

Registering / Editing channels

You can edit the channel list or register new channel manually.

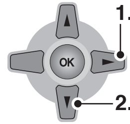
> Edit

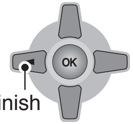
PR	ID	CH/CC
01		CH 02
02		CH 03
03		CH 07
04		CH 76
05		CH 12
06		CH 09
07		CH 05
08		CH 02
09		CH 15
10		CH 28



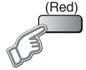
Move — Move a channel position

> Edit (channel list as above)

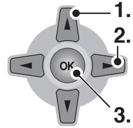




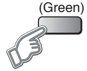
ID — Edit a channel name



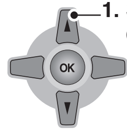
> Edit
03 A
A B C D E F



Insert/Delete — Insert / Delete a channel



> Edit
03 CH **
04 A B C D E F

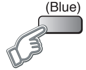


1. Select a CH/CC

2. Enter a number 0-9 button then, receives the broadcast signal.

- Delete a channel by press (Yellow) button.
- "CH/CC List" (P. 15)

Manual — Register a new channel

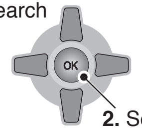


> Manual
03 B B C A B C CH 07 (B/G)
04 A B C D E F

1. Beginning channel search

(Red) or (Green)

From high frequencies / From low frequencies



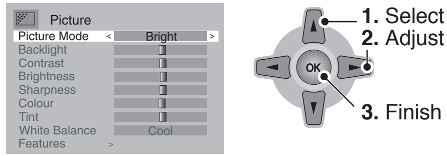
- Channel fine tunning ➡ (Yellow) / (Blue)
- If the picture or sound is unnatural ➡ ▷ for select a system.

Picture setting

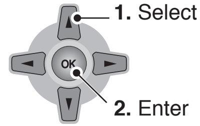
1. Display “Picture” menu



2. Select item and setting or adjust



• To enter an items menu

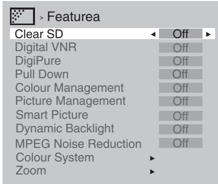


Picture Mode	You can select a preset picture setting according to your favour. Bright : Hightens contrast and sharpness. Game Mode : Adjust sharpness of the picture when play the game. Soft : Softens contrast and sharpness. Standard : Standardize picture adjustment.
Backlight	You can change the backlight brightness. Darker ⟺ Brighter
Contrast	You can change the contrast of the picture. Lower ⟺ Higher
Brightness	You can change the brightness of the picture. Darker ⟺ Brighter
Sharpness	You can change the sharpness of the picture. Softer ⟺ Sharper
Colour	You can change the colour of the picture. Lighter ⟺ Deeper
Tint	You can change tint only in NTSC. Reddish ⟺ Greenish
White Balance	You can change the white balance of the picture to better match the type of video being view. Cool : Bluish white colour. Warm : Reddish white colour. Mid : Normal white colour.

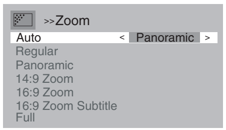
Picture setting (continued)

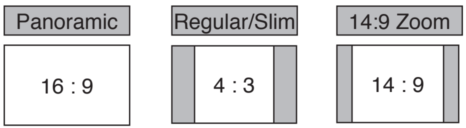
Features

Finer Picture adjustment



Clear SD	: For clearly picture (Off / Mode-1 / Mode-2) When Clear SD set to Mode-1 or Mode-2, then Digital VNR, DigiPure, Picture Management and MPEG Noise Reduction cannot operate.
Digital VNR	: Reduce the amount of noise in original picture. (Off / On)
DigiPure	: For natural - looking outlines (Off / On)
Pull Down	: For smooth cinema film (Auto / Off / On)
Colour Management	: For natural - looking pictures (Off / On)
Picture Management	: Fix bright / dark pictures. (Off / On)
Smart Picture	: Make it easier to view white areas (Off / On)
Dynamic Backlight	: Reduce the brightness of the backlight when the screen is dark (Off / On)
MPEG Noise Reduction	: Reduce MPEG video noise (Off / On)
Colour System	: When there is no colour, change the colour system. (PAL / SECAM / NTSC 3.58 / NTSC 4.43 / AUTO)
Zoom	: Change the aspect ratio.

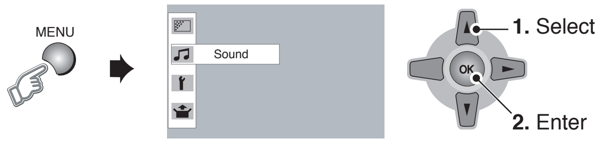




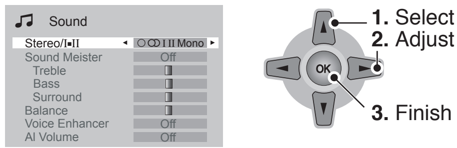
- When 720p or 1080i or 1080p signal is received, “Full”, “Slim” and “Panoramic Zoom” can be selected.
- In PC mode, “Regular” and “Full” can be selected.

Sound setting

1. Display “Sound” menu.



2. Select item and setting or adjust.



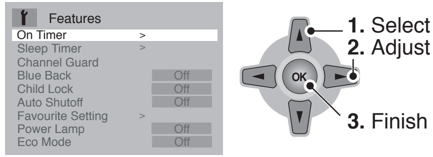
Stereo/I•II	Select the broadcast sound stereo, mono or bilingual language (○: Mono / ○○ : Stereo / I : SUB1 / II : SUB2 / Mono)
Sound Meister	Ambience (Off / Dynamic / Pure / Living)
Treble	Compensates high frequencies to widen the frequency band. (Weaker ↔ Stronger)
Bass	Compensates low frequencies to widen the frequency band. (Weaker ↔ Stronger)
Surround	Expands the stereo sound naturally. (Narrow ↔ Wide)
Balance	Speaker balance (Left Stronger ↔ Right Stronger)
Voice Enhancer	Sound enhancement technology (On/Off)
AI Volume	Prevent sudden increase or decrease of sound when changing channels. (On/Off)

Useful functions

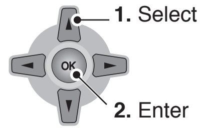
1. Display "Features" menu.



2. Select item and setting or adjust.



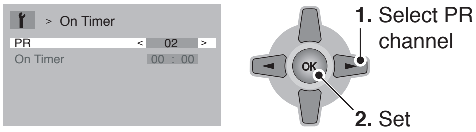
• To enter an items menu



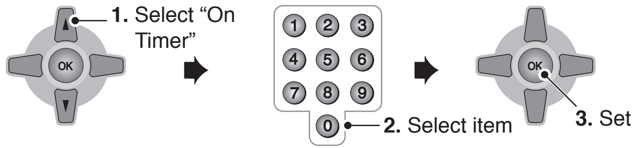
On Timer

TV to turn on automatically from standby mode at a set channel and time.

1. Select PR channel that you want to watch.



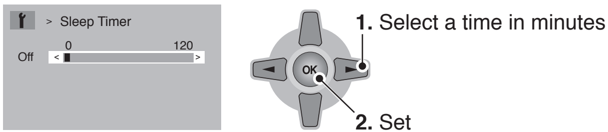
2. Set the On time to your desired period at time.



Note : Press (Blue) for reset time setting.

Sleep Timer

TV to turn off automatically to standby mode after a set time.

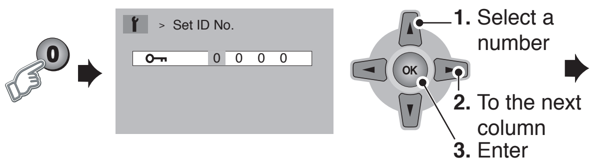


Note : When the remaining elapse is one minute, "Good Night!" appears on the screen.

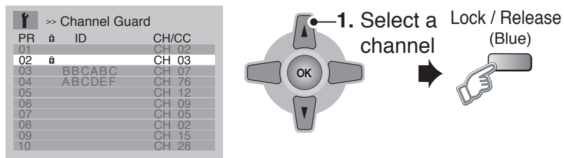
Channel Guard

Stop children from watching specific channels.

1. Select "Channel Guard"



2. Select a channel and lock it (🔒 : locked)



• View a locked channel by use the numerical buttons to enter the channel number. When 🔒 appears, press "DISPLAY" button and enter your "ID No."

Blue Back	Display a blue screen and mute the sound when the signal is weak or absent. (On / Off)
Child Lock	Disables the side control buttons of the TV. (On / Off)
Auto Shutoff	Set the power to turn off if no signal is received and no operation is performed for about 15 minute. (On / Off)
Favourite Setting	Delete the favourite channel that you registered.

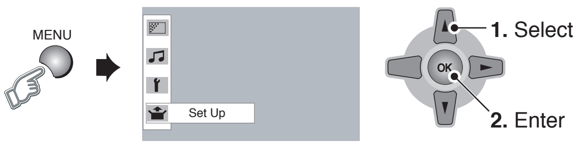


Power Lamp	Power lamp lights while the TV is on. (On / Off) (P. 4)
Eco Mode	Adjust contrast of light and dark according to the brightness of your room. (Off / Eco-1 / Eco-2)

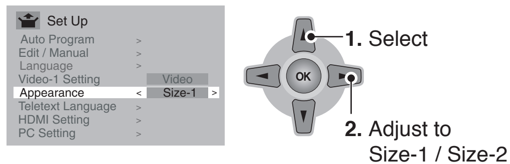
• Change the on screen menu size.

Appearance Change the on-screen menu size.	1. Display “Set Up” menu. 2. Select “Appearance”

1. Display “Set Up” menu.



2. Select “Appearance”



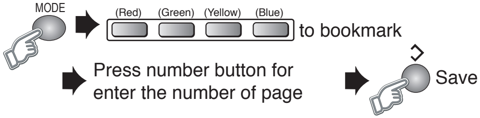
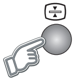
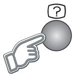
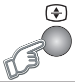
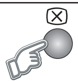
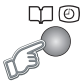
Viewing Teletext

You can watch the Teletext broadcast channel with Text Functions.

1. 
TV mode <--> TEXT mode

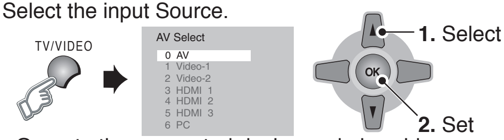
2. Select a Teletext page by press number button (0-9)

- Move up or down a page by 

List Mode	Bookmark your favourite page.  • Recall your favourite page by press the colour button.
Hold	 Hold the current page. • Cancel by press this button again.
Reveal	 Display hidden information. • Example : answer to a quiz, etc.
Size	 Double the size of the displayed text.
Index	 Returns to page “100” or a previously designated page.
Cancel	 Leave the current page open, while you switch to watch TV. • Useful when running a page search.
Sub-page	 Display the number of Sub-page. • Cancel by press this button again.

Watching Video or DVDs

Select the input Source.



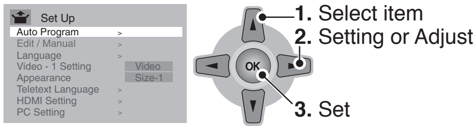
Note: TV/VIDEO button select the video source by move down or use button 0-6 for selection.

- Operate the connected device and play video.

1. Select “Set Up”

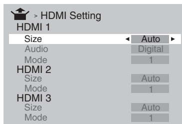


2. Select item



Video - 1 Setting Switch between video and component signal (Video / Component)

HDMI Setting Setting for HDMI input

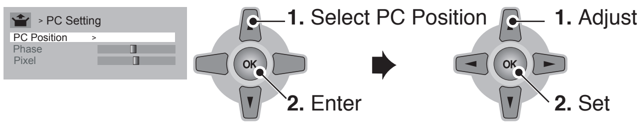


Size : Normally set to “Auto.” If wrong screen size appears in 480p (525p), change to “1” or “2”

Audio : Normally set to “Auto.” If no sound, change to “Analogue” or “Digital.”

Mode : If no picture, change to “1” or “2”.

PC Setting Setting for PC input



PC Position : Adjust screen position.
Phase : Sets the focus of screen.
Pixel : Adjusts the horizontal feature of screen.

Troubleshooting

If a problem occurs when you are using the TV, check the below troubleshooting guide before calling for repair.

Severe noise or snow	**Page**
Check the aerial cable and TV connections .	P. 4
Check the direction of the aerial.	P. 4
Check the aerial or its cable damaged or not.	--
Patterns, stripes or noise	
Interference caused by devices such as an amplifier, personal computer, or a hair drier, Move it away from TV.	--
Ghosting (Doubling of images)	
Interference occurs caused by signal reflection from mountains or building. Try to adjust the aerial's direction or use another antenna.	--
Cannot turn it on	
Ensure the power cord is connected to the AC outlet correctly.	--
Cannot operate the remote control.	
The batteries may be exhausted. Replace with new batteries. Ensure that you are operation the remote control at less than 7 meters from the front of your TV.	--
Remote control stops working	
Unplug TV, several minutes later plug it in again.	--
Side control buttons do not work	
Switch “Child Lock” to “Off”.	P. 11
Aspect ratio changed unintentionally	
Press “ZOOM” button to return to your settings.	P. 8
PC screen alignment is off	
Adjust the “PC Position” in “PC Setting” of Set Up menu.	P. 12
Blue screen appears on the screen	
Switch “Blue Back” to “Off”.	P. 11
Strange picture when using an external device	
If the top of the image is distorted, check the video signal quality itself.	--
If movement appears unnatural when receiving a signal from a DVD player, etc. with 625p (progressive-scanning), change the output setting of the external device to 625i (interlace-scanning)	--

Poor picture quality	**Page**
Unnatural colour >> Adjust “Colour” and “Backlight”	P. 7
Check “Colour System”. If “Auto” is selected select the specific colour system manually.	P. 8
Noise >> Set to the following functions.	
Picture Mode : Standard	P. 7
DigiPure : On	P. 8
Dull picture >> Set to the following functions.	
Picture Mode : Bright	P. 7
DigiPure : On	P. 8
Poor sound	
Adjust the “Bass” and “Treble”.	P. 9
If receiving a poor signal in “Stereo/I•II” switch to “Mono”.	P. 9
Adjust the channel reception using “Manual”.	P. 6
For HDMI signal, wrong screen size in 480p (525p).	
Switch “Size” in “HDMI Setting” to “1” or “2”.	P. 12
For HDMI signal, green and distorted screen	
Wait a little for the signal to stabilize when switching the signal format for an “HDMI” device.	--
For HDMI signal, No picture / No sound	
Use the cable marked with HDMI logo.	P. 5
Check if the device is compliant with HDMI.	P. 12
Switch “Audio” in “HDMI Setting” to “Digital” or “Auto” for HDMI devices, or “Analogue” or “Auto” for DVI devices.	
Some functions do not work.	
It is not a malfunction. Some functions (dark background) in the menu do not work depending on the situation.	--
Black or white dots appear on the screen.	
LCD panels use fine dots (“pixels”) to display images. While more than 99.99% of these pixels function properly, a very small number of pixels may not light, or may light all the time. It is not a malfunction.	--
No picture, No sound	
Some input do not output from OUT terminal.	--

Technical information

Language group for Teletext

Group	Languages
Group-1	Turkish, Hungarian, English, German, French, Italian, Spanish, Portuguese, Greek, Swedish, Finnish
Group-2	Polish, Serbian, Croatian, Slovenian, Czech, Slovak, Rumanian, Hungarian, German, French, Italian, Swedish, Finnish
Group-3	Russian, Bulgarian, Lettish, Lithuanian, Estonian, Ukrainian, Serbian, Croatian, Slovenian, Czech, Slovak, English, German
Group-4	Arabic, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish
Group-5	Farsi, Czech, Slovak, Hungarian, English, German, French, Italian, Spanish, Portuguese, Swedish, Finnish
Group-6	Lettish, Lithuanian, Estonian, Ukrainian, Czech, Slovak, English, German

- If the characters are unreadable. ➡ Select different Teletext language group. (P. 6)

Sound and Colour system in your country or region

<table>
<tr><th>Area</th><th>Country or Region</th><th>System</th><th>System</th></tr>
<tr><td rowspan="5">Asia, Middle East</td><td>Bahrain, Kuwait, Oman, Qatar, United Arab Emirates, Yemen, Indonesia, Malaysia, Singapore, Thailand, India, etc.</td><td>B/G</td><td rowspan="3">PAL</td></tr>
<tr><td>China, Vietnam, etc.</td><td>D/K</td></tr>
<tr><td>Hong Kong, etc.</td><td>I</td></tr>
<tr><td>Islamic Republic of Iran, Lebanon, Saudi Arabia, etc.</td><td>B/G</td><td>SECAM</td></tr>
<tr><td>Philippines, Taiwan, Myanmar, etc.</td><td>M</td><td>NTSC</td></tr>
<tr><td rowspan="4">Europe</td><td>Russia, etc.</td><td rowspan="2">D/K</td><td>SECAM</td></tr>
<tr><td>Czech Republic, Poland, etc.</td><td rowspan="3">PAL</td></tr>
<tr><td>Germany, Holland, Belgium, etc.</td><td>B/G</td></tr>
<tr><td>UK, etc.</td><td>I</td></tr>
<tr><td>Oceania</td><td>Australia, New Zealand, etc.</td><td>B/G</td><td>PAL</td></tr>
<tr><td rowspan="3">Africa</td><td>Republic of South Africa, etc.</td><td>I</td><td rowspan="2">PAL</td></tr>
<tr><td>Nigeria, etc.</td><td rowspan="2">B/G</td></tr>
<tr><td>Egypt, Morocco, etc.</td><td>SECAM</td></tr>
</table>

PC Signals that can be displayed

- If the signal doesn't appear, check that the vertical frequency on the PC is set to "60Hz".

Resolution	640 x 480(VGA) / 1024 x 768(XGA)
Vertical frequency (Hz)	60.0

What is "Clear SD"

LCD picture is unstable due to a large number of signal noise. Such noise appears extensively especially when an LCD displays SD signals. Clear SD mode resolves disadvantage for better picture quality.



No use "Clear SD"



Use "Clear SD"

Connect "DVI" devices

Connect a "DVI" device to "HDMI" using "DVI-HDMI" conversion cable. Connect analogue sound output of the DVI device to L and R terminals in HDMI-1.

- Set "Audio" in "HDMI Setting" to "Analogue" or "Auto" (P. 12)
- HDMI-2 and HDMI-3 input does not support analogue sound (IN HDMI-1).
- HDMI-2 and HDMI-3 input does not support DVI devices.

CH / CC List

To use the Insert function (P. 6), find the “CH/CC” number corresponding to the TV’s channel number from this table.

US: The US channel numbers are the channel numbers used in the United States, Philippines, etc.
CCIR: The CCIR channel numbers are the channel numbers used in the Middle East, Southeast Asia, etc.
OIRT: The OIRT channel numbers are the channel numbers used in Eastern Europe, Russia, Vietnam, etc.
AUSTRALIA: The AUSTRALIA channel numbers are the channel numbers used in Australia, etc.

CH	Channel			
	US	CCIR	OIRT	AUSTRALIA
CH 02	US-02	E2	R1	AU-0
CH 03	US-03	E3		AU-1
CH 04	US-04	E4	R2	AU-2
CH 05	US-05	E5	R6	AU-6
CH 06	US-06	E6	R7	AU-7
CH 07	US-07	E7	R8	AU-8
CH 08	US-08	E8	R9	AU-9
CH 09	US-09	E9		
CH 10	US-10	E10	R10	AU-10
CH 11	US-11	E11	R11	AU-11
CH 12	US-12	E12	R12	
CH 13	US-13			
CH 14	US-14, W+29			
CH 15	US-15, W+30			
CH 16	US-16, W+31			
CH 17	US-17, W+32			
CH 18	US-18, W+33			
CH 19	US-19, W+34			
CH 20	US-20, W+35			
CH 21	US-21, W+36	E21		
CH 22	US-22, W+37	E22		
CH 23	US-23, W+38	E23		
CH 24	US-24, W+39	E24		
CH 25	US-25, W+40	E25		
CH 26	US-26, W+41	E26		
CH 27	US-27, W+42	E27		
CH 28	US-28, W+43	E28		
CH 29	US-29, W+44	E29		
CH 30	US-30, W+45	E30		
CH 31	US-31, W+46	E31		
CH 32	US-32, W+47	E32		
CH 33	US-33, W+48	E33		
CH 34	US-34, W+49	E34		
CH 35	US-35, W+50	E35		
CH 36	US-36, W+51	E36		
CH 37	US-37, W+52	E37		
CH 38	US-38, W+53	E38		
CH 39	US-39, W+54	E39		
CH 40	US-40, W+55	E40		
CH 41	US-41, W+56	E41		
CH 42	US-42, W+57	E42		
CH 43	US-43, W+58	E43		
CH 44	US-44, W+59	E44		
CH 45	US-45, W+60	E45		
CH 46	US-46, W+61	E46		
CH 47	US-47, W+62	E47		
CH 48	US-48, W+63	E48		
CH 49	US-49, W+64	E49		
CH 50	US-50, W+65	E50		
CH 51	US-51, W+66	E51		
CH 52	US-52, W+67	E52		
CH 53	US-53, W+68	E53		
CH 54	US-54, W+69	E54		
CH 55	US-55, W+70	E55		
CH 56	US-56, W+71	E56		
CH 57	US-57, W+72	E57		
CH 58	US-58, W+73	E58		
CH 59	US-59, W+74	E59		
CH 60	US-60, W+75	E60		
CH 61	US-61, W+76	E61		
CH 62	US-62, W+77	E62		
CH 63	US-63, W+78	E63		
CH 64	US-64, W+79	E64		
CH 65	US-65, W+80	E65		
CH 66	US-66, W+81	E66		
CH 67	US-67, W+82	E67		
CH 68	US-68, W+83	E68		
CH 69	US-69, W+84	E69		

CC	Channel			
	US	CCIR	OIRT	AUSTRALIA
CC 01		S-1		AU-5
CC 02		S-2		
CC 03		S-3		
CC 04		S-4		
CC 05		S-5		
CC 06		S-6		AU-5A
CC 07		S-7		
CC 08		S-8		
CC 09		S-9		
CC 10		S-10		
CC 11		S-11		
CC 12		S-12		
CC 13		S-13		
CC 14	A	S-14		
CC 15	B	S-15		
CC 16	C	S-16		
CC 17	D	S-17		
CC 18	E	S-18		
CC 19	F	S-19		
CC 20	G	S-20		
CC 21	H	S-21		
CC 22	I	S-22		
CC 23	J	S-23		
CC 24	K	S-24		
CC 25	L	S-25		
CC 26	M	S-26		
CC 27	N	S-27		
CC 28	O	S-28		
CC 29	P	S-29		
CC 30	Q	S-30		
CC 31	R	S-31		
CC 32	S	S-32		
CC 33	T	S-33		
CC 34	U	S-34		
CC 35	V	S-35		
CC 36	W	S-36		
CC 37	W+1	S-37		
CC 38	W+2	S-38		
CC 39	W+3	S-39		
CC 40	W+4	S-40		
CC 41	W+5	S-41		
CC 42	W+6			
CC 43	W+7			
CC 44	W+8			
CC 45	W+9			
CC 46	W+10			
CC 47	W+11			
CC 48	W+12			
CC 49	W+13			
CC 50	W+14			
CC 51	W+15			
CC 52	W+16			
CC 53	W+17			
CC 54	W+18			
CC 55	W+19			
CC 56	W+20			
CC 57	W+21			
CC 58	W+22			
CC 59	W+23			
CC 60	W+24			
CC 61	W+25			
CC 62	W+26			
CC 63	W+27			
CC 64	W+28			
CC 75		X		
CC 76		Y	R3	
CC 77		Z	R4	AU-3
CC 78		Z+1	R5	
CC 79		Z+2		AU-4
CC 95	A-5			
CC 96	A-4			
CC 97	A-3			
CC 98	A-2			
CC 99	A-1			

Specification

Main unit

Model	LT-32EX19	LT-32BX19
Broadcasting systems	B / G / I / D / K / M	
Colour systems	PAL, SECAM, NTSC 3.58 / NTSC 4.43 MHz	
Channels and frequencies	VHF low channel (VL) = 46.25 to 140.25 MHz VHF high channel (VL) = 147.25 to 423.25 MHz UHF channel (U) = 431.25 to 863.25 MHz Receives cable channels in mid band (X to Z+2, S1 to S10), super band (S11 to S20) and hyper band (S21 to S41).	
Sound-multiplex systems	NICAM (I / B / G / D / K), A2 (B / G / D / K)	
Teletext systems	FLOF (Fastext), WST (World System Teletext)	
Power requirements	AC 110 V - 240 V, 50/60Hz	
Audio output (Rated power output)	6 W + 6 W	6 W + 6 W
Speakers	(4 cm x 16 cm) x 2	(4 cm x 16 cm) x 2
Power consumption [standby]	131 W [1.8 W]	107 W [1.8 W]
Screen size (visible area size measured diagonally	80 cm	80 cm
Dimensions (W x H x D: mm [without stand]	791 x 571.7 x 230.5 [791 x 520.5 x 103.9]	869 x 548 x 230.5 [869 x 496.4 x 103.9]
Weights [without stand]	12.5 kg [11.5 kg]	12.5 kg [11.5 kg]
Accessories	Remote control unit : RW-C2020 x 1 AAA/RO3 dry cell battery x 2 Screw x 4	

Terminals / Connectors

Terminal name		Terminal type	Signal type (IN)	Signal type (OUT)
Input terminals	VIDEO-1	RCA connectors x 6	Composite video, Analogue component 576i (625i) / 480i (525i), Progressive : 576p (625p) / 480p (525p), HD : 1080i (1125i), 720p (750p) / 1080p (1125p) Audio L / R	
	VIDEO-2	RCA connectors x 3	Composite video, Audio L / R	
	HDMI-1	HDMI connector x 1	HDMI 576i (625i) / 480i (525i) / 576p (625p) / 480p (525p), 720p (750p) / 1080p (1125p) / 1080i (1125i)	
	HDMI-2			
	HDMI-3			
	IN HDMI -1	RCA connectors x 2	Audio L/R	
	PC INPUT	D-SUB (15 pins) x 1	Analogue PC signal	
	PC AUDIO	PC-IN (3.5 pinjack) x 1	Audio	
Output terminals	MONITOR OUT	RCA connectors x 3		Composite video, Audio L / R
	Headphone	Stereo mini-jack x 1 (3.5 mm in diameter)		Headphone output

- We may change the design and specifications without notice.
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JVC

0309NWT-NF-MT